IN THE SPECIFICATION

Please amend the specification at page 6, lines 4 - 15, as follows:

In an embodiment of the invention, the radioactive deposit **3** may be deposited on the surface of the substrate **2** in the form of a solution (the "deposited solution"). The deposited solution may contain dissolved radioisotope, a solvent and a binding agent. The solvent may be an inorganic solvent (e.g., water) or an organic solvent, (e.g., isopropyl or other alcohols, oils, ketones, esters, or glycols), and the solution may be created by dissolving a salt or other compound formed from the radioisotope in the solvent. In an alternative embodiment, the radioisotope may be adsorbed or chemisorbed to a particulate carrier that is evenly dispersed throughout the solution. In alternative embodiments of the invention, the deposited solution may contain a radioisotope precursor that is rendered a radioisotope by neutron bombardment after deposition on the substrate **2**. The solvent may evaporate after the deposited solution has been deposited on the surface of the substrate **2**, leaving the radioisotope and the remaining ingredients in the deposited solution to form the radioactive deposit **3**.